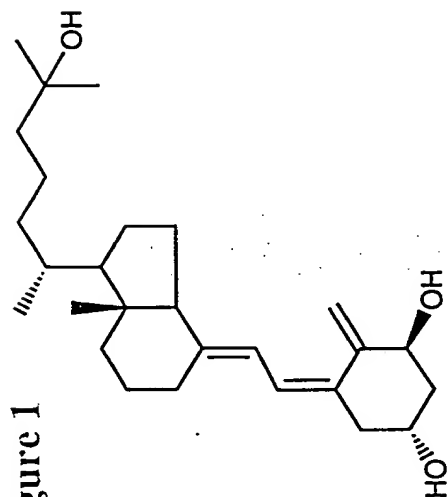
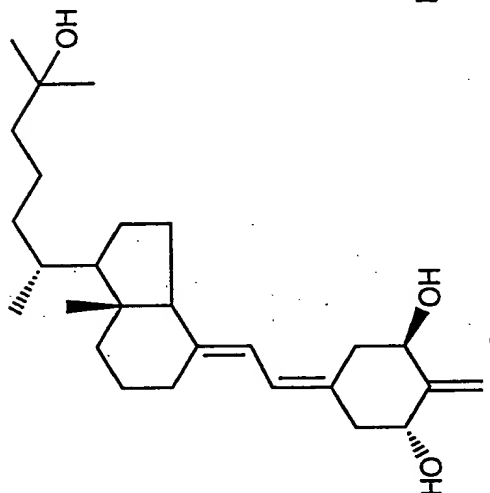


Figure 1



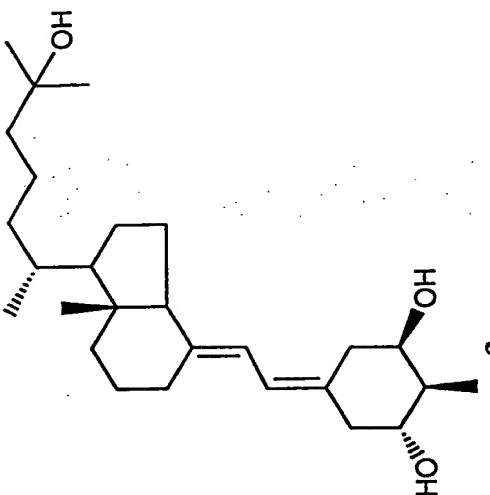
1

1 α ,25-dihydroxyvitamin D₃



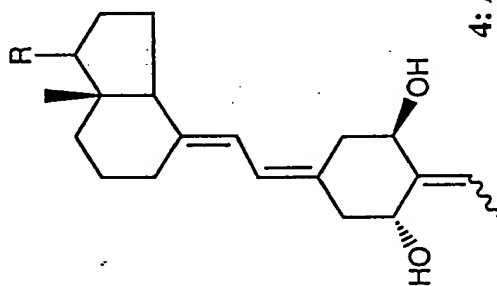
2

1 α ,25-dihydroxy-2-methylene-19-norvitamin D₃



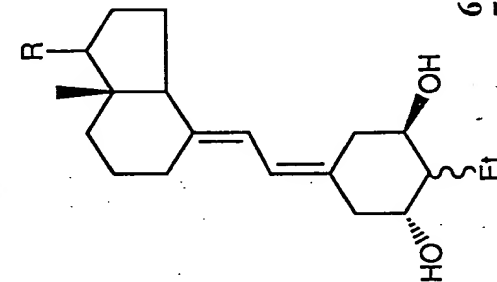
3

1 α ,25-dihydroxy-2 α -methyl-19-norvitamin D₃



4: E - isomer

5: Z - isomer



6: 2 α - isomer

7: 2 β - isomer

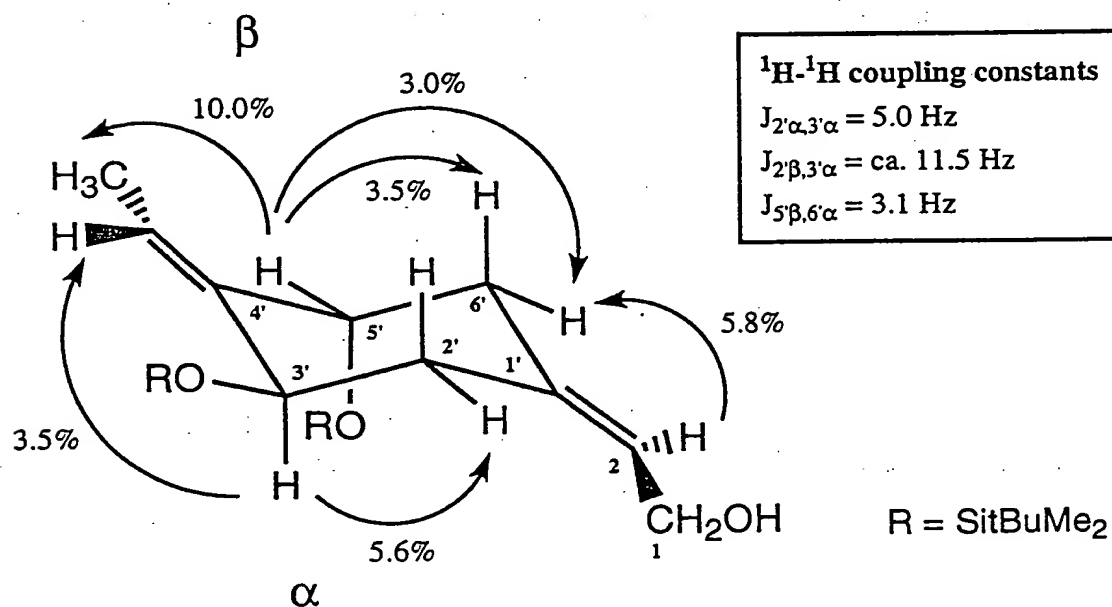
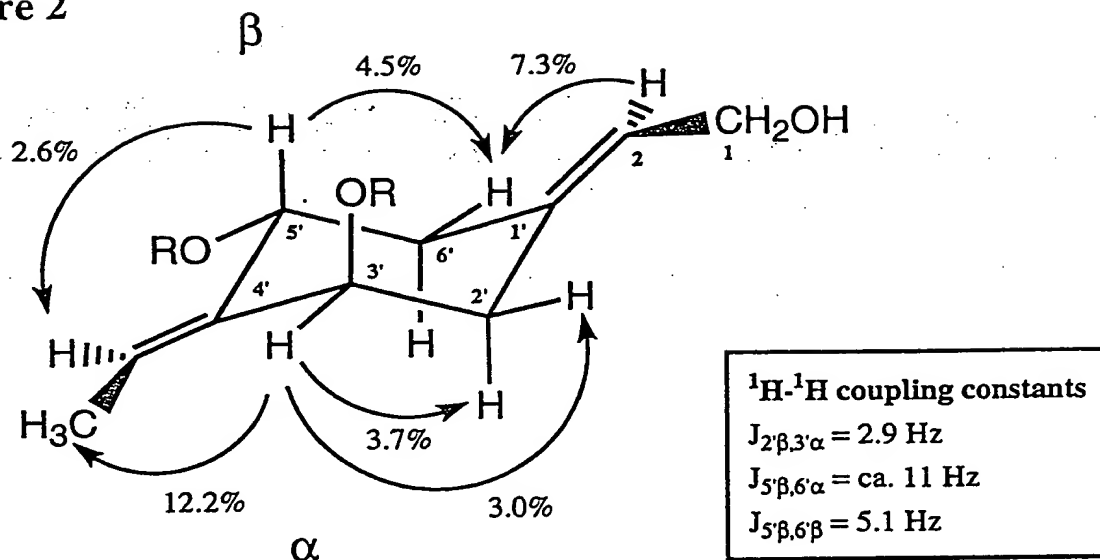


a) R =



b) R =

Figure 2



Configurations and preferred conformations of 4'-ethylidene compounds **16** and **17** were determined by analysis of their ^1H NMR spectra and ^1H NOE difference spectroscopy experiments

Figure 3

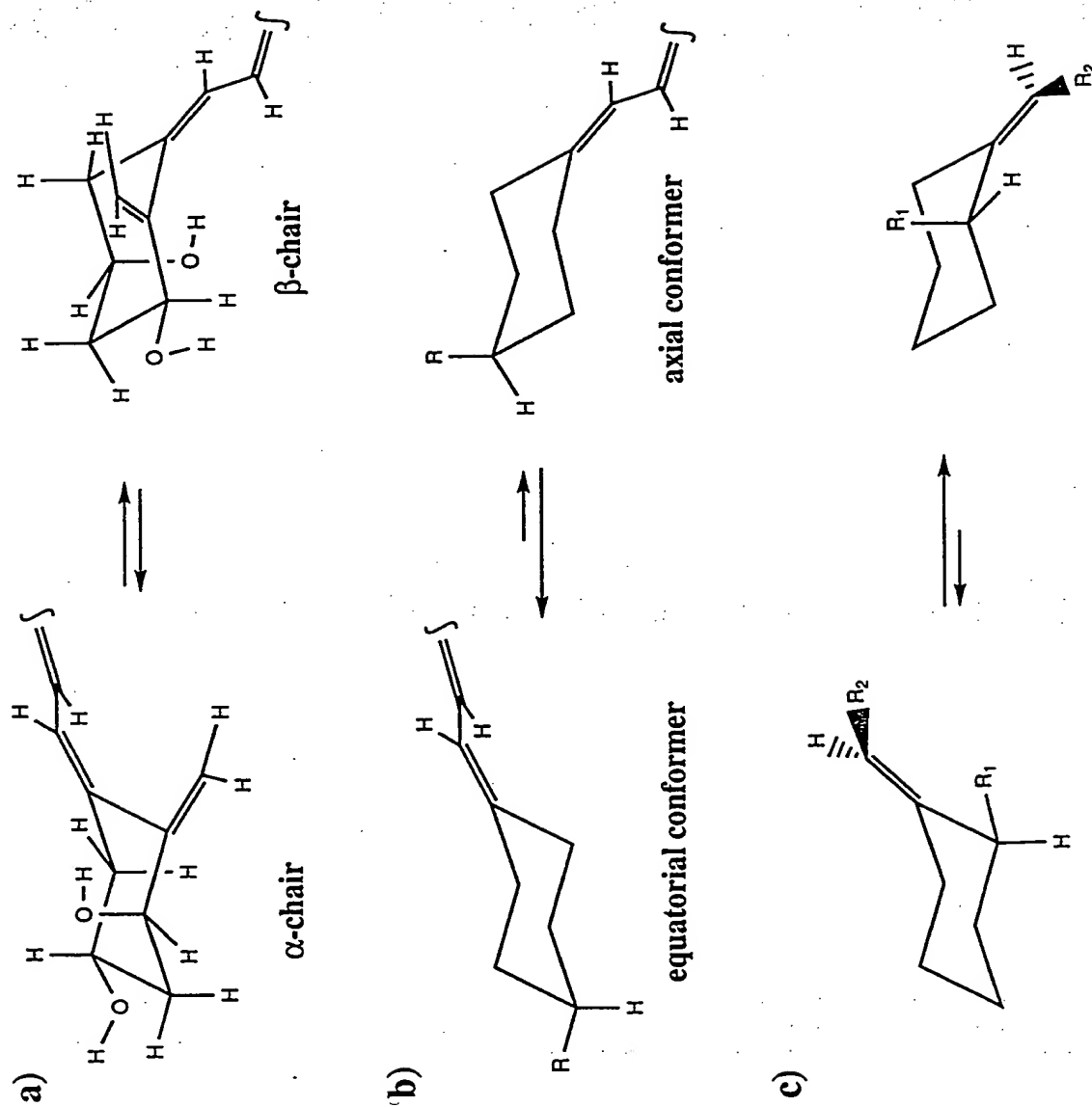


Figure 4

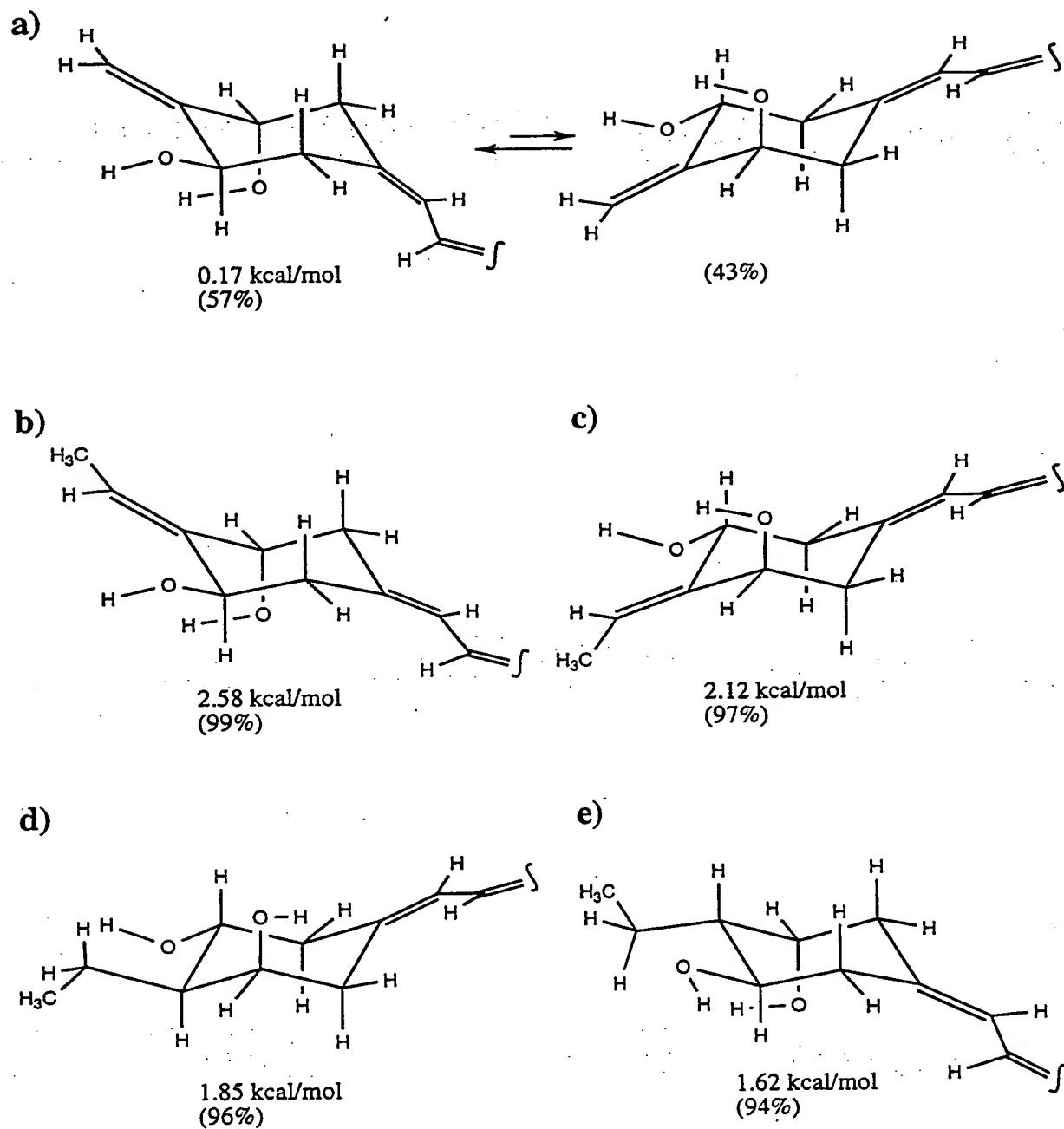


Figure 5 a)

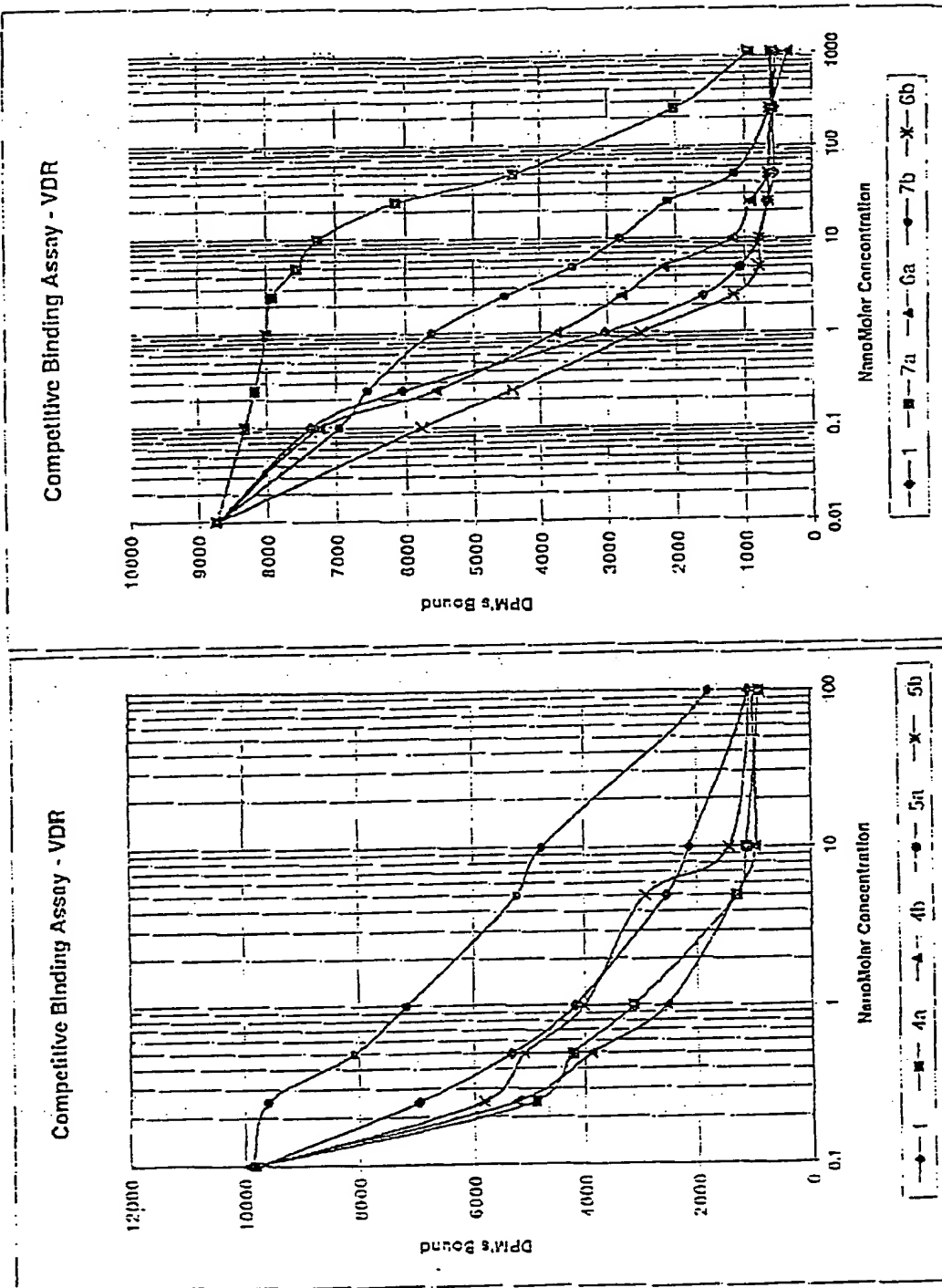


Figure 6 a)

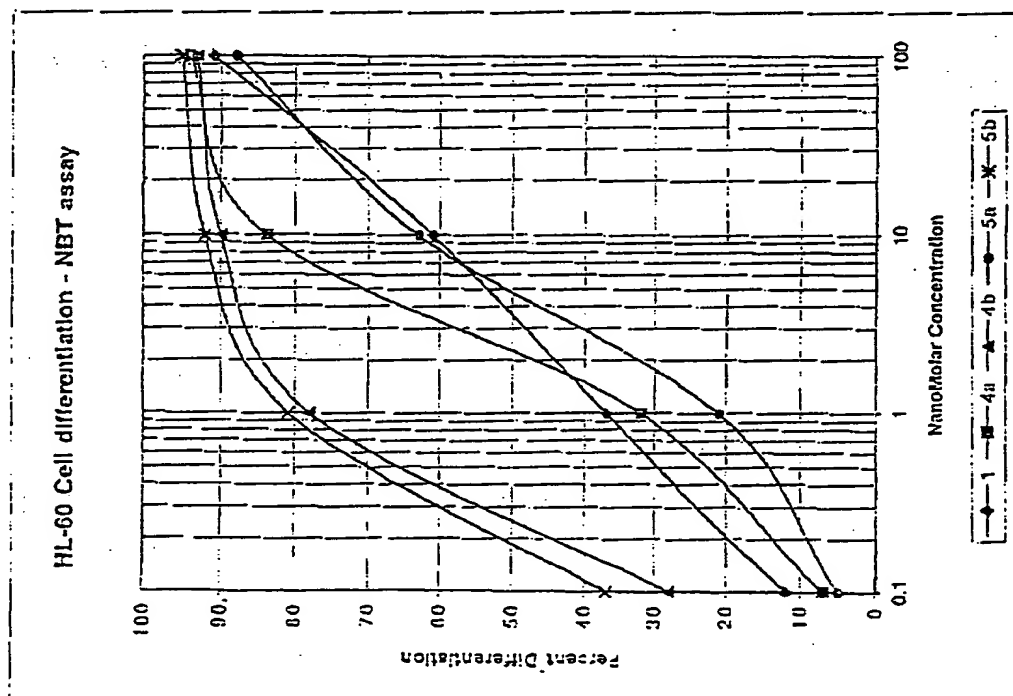


Figure 6 b)

